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Hancock County, Iowa

	Pct.   of  map  unit		d	Shallow excavati     	ons	Lawns and landsca       	nping
	     			Rating class and   limiting features			
6: Okoboji	 	Low strength	1.00    1.00    1.00	Depth to   saturated zone   Ponding     	1.00 	saturated zone	1.00
28: Dickman	     95 	    Not limited 		    Very limited   cutbanks cave		    Not limited 	
28B: Dickman	95	    Not limited 		· •	0.90	    Not limited 	
28D2: Dickman				cutbanks cave		  Somewhat limited   Slope 	0.16
52B: Bode	     95 	  Somewhat limited   Frost action				    Not limited 	
52C2: Bode	 	Low strength	11.00			  Not limited     	         
52D2: Bode	   	Low strength   Slope   Shrink-swell		] 		  Somewhat limited   Slope   	0.63
52E2: Bode	   95       	  Very limited   Slope   Low strength   Shrink-swell   Frost action	   1.00  1.00  0.50  0.50		1 1.00	  Very limited   Slope     	1 1.00

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Hancock County, Iowa

* *	Pct.   of  map  unit	of   streets map		Shallow excavati   	ons	Lawns and landsca    -  -	aping
				Rating class and   limiting features			
	İ	I	İ	i	İ	i	i
55: Nicollet	   95         	Depth to saturated zone Frost action	1.00    1.00  1.00	Depth to   saturated zone   	11.00	  Very limited   Depth to   saturated zone   	  1.00     
72: Estherville	95	  Not limited   	 	·	10.90	  Not limited 	 
72B: Estherville	90	    Not limited 		·	0.90	  Not limited 	
72C2: Estherville	90	    Not limited 	 	  Very limited   cutbanks cave	10.90	    Not limited 	
72D2: Estherville	   90 			cutbanks cave		  Somewhat limited   Slope 	      0.63
73C2: Salida	100	  Not limited   	       			  Very limited   Droughty   Gravel content	11.00
90: Okoboji		Low strength 	1.00    1.00	Depth to saturated zone	11.00	  Very limited   Depth to   saturated zone   Ponding	11.00
45		Saturated Zone   Frost action   Shrink-swell   Ponding		 	       		
95: Harps	   95       	  Very limited   Depth to   saturated zone   Frost action   Low strength   Shrink-swell	  1.00    1.00  1.00  0.50	saturated zone	  1.00     	  Very limited   Depth to   saturated zone   	  1.00     

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Hancock County, Iowa

and soil name	Pct.   of  map  unit	I	Shallow excavati    -  -	ons	Lawns and landsca     	aping	
	     	=		Rating class and   limiting features		<del>-</del>	
107: Webster	   95         	Depth to	1.00    1.00  1.00	İ	11.00	    Very limited   Depth to   saturated zone   	11.00
135: Coland	     	Depth to   saturated zone   Frost action   Flooding	1.00    1.00  1.00	Depth to   saturated zone   Flooding 	1.00 	saturated zone	11.00
138B: Clarion		  Somewhat limited   Frost action				  Not limited	
138C2: Clarion		  Somewhat limited   Frost action				    Not limited 	
38D2: Clarion	     95   	Slope		Slope		  Somewhat limited   Slope 	    0.63
74: Bolan	     90 			  Very limited   cutbanks cave		    Not limited 	
174B: Bolan	     95 			•	10.90	    Not limited 	
221: Palms	   100           	  Very limited   Depth to   saturated zone   Subsidence     Frost action     Ponding	      1.00    1.00    1.00	saturated zone   Ponding     Content of   organic matter	  1.00    1.00    1.00	saturated zone Content of organic matter	  1.00    1.00 

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Hancock County, Iowa

Map symbol and soil name	Pct.   of  map  unit	streets	ıd	Shallow excavati    -	ons	Lawns and landsca     	aping
	     			Rating class and   limiting features			
224: Linder	   95     	Depth to   saturated zone	1.00 	  Very limited   Depth to   saturated zone   cutbanks cave	11.00	saturated zone	    1.00 
236B: Lester	   95   	Low strength	  1.00  0.50  0.50	İ		  Not limited     	 
236C2: Lester	   95     	  Very limited   Low strength   Shrink-swell   Frost action	    1.00  0.50  0.50	i İ		  Not limited     	 
236D2: Lester	   95     	  Very limited   Low strength   Slope   Shrink-swell   Frost action		i İ	1 1 1 0 . 63	  Somewhat limited   Slope     	1 1 1 0.63
236F: Lester	     90 	•				    Very limited   Slope	1   1   1   1   1   1   1   1   1   1
259:		•	1.00  0.50  0.50	Ì	     	 	     
Biscay	95         	   Very limited   Depth to   saturated zone   Frost action   Low strength   Shrink-swell	1.00 	'		  Very limited   Depth to   saturated zone   	11.00

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and soil name	Pct.   of  map  unit	streets	d	Shallow excavations   		Lawns and landscaping	
	     	<del>-</del>		Rating class and   limiting features		-	
274: Rolfe	    100         	Low strength     Depth to   saturated zone   Frost action   Shrink-swell	1.00    1.00	saturated zone Ponding Too clayey		İ	1.00
288: Ottosen	   95   1   1   1	  Very limited   Low strength     Depth to   saturated zone   Frost action	    1.00    1.00	  Very limited   Depth to   saturated zone   		  -  Very limited   Depth to   saturated zone  - 	11.00
308: Wadena	  100	  Not limited 	 	  Not limited	 	    Not limited	 
308B: Wadena	  100	  Not limited 	 	  Not limited	 	  Not limited	 
335: Harcot	95   95       	Depth to   saturated zone   Frost action   Low strength	1.00 	Depth to   saturated zone   cutbanks cave 		  Very limited   Depth to   saturated zone   	11.00
348: Fieldon	   85 	=				    Very limited   Depth to	1 1.00
	 	saturated zone   Frost action   Ponding	  1.00  1.00	Ponding		saturated zone   Ponding 	  1.00 
384: Collinwood	   95       	  Very limited   Low strength     Frost action   Shrink-swell	  1.00    1.00  1.00	saturated zone   Too clayey	  0.61    0.28	Ī	         

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and soil name	Pct.   of  map  unit	streets		Shallow excavati   	ons	Lawns and landsca	nping
	     			Rating class and   limiting features		Rating class and   limiting features	
384B: Collinwood	   95       	Low strength Frost action		Depth to   saturated zone   Too clayey	    0.61    0.28	İ	           
388: Kossuth	   95         	Low strength  Depth to saturated zone Frost action	1.00    1.00	saturated zone     		  Very limited   Depth to   saturated zone     	    1.00       
390: Waldorf	   95           	Low strength      Depth to   saturated zone   Frost action		saturated zone Too clayey	1.00 	  Very limited   Depth to   saturated zone   Too clayey 	    1.00    1.00
485B: Spillville	   95       	Low strength Shrink-swell		Depth to saturated zone	0.61	  Not limited       	
506: Wacousta	   95           	Depth to   saturated zone   Frost action   Low strength		saturated zone   Ponding 	1.00 	  Very limited   Depth to   saturated zone   Ponding   	  1.00    1.00
507: Canisteo	   95       	  Very limited   Depth to   saturated zone   Frost action	1.00	saturated zone	11.00	  Very limited   Depth to   saturated zone 	11.00

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Map symbol and soil name	Pct.   of  map  unit	streets	Shallow excavati       	ons	   Lawns and landsca     	aping	
	     	Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	
511: Blue Earth	    - 100     	Depth to Saturated zone Frost action Low strength		Depth to   saturated zone   Ponding		  Very limited   Depth to   saturated zone   Ponding	11.00
524: Linder	  -  95     	•	1.00 	  Very limited   Depth to   saturated zone   cutbanks cave		  Very limited   Depth to   saturated zone	11.00
562D2: Storden	  -  90 	Slope	'	  Somewhat limited   Slope 	0.63	  Somewhat limited   Slope 	    0.63
562E2: Storden	  -   95 	Slope		  Very limited   Slope 		  Very limited   Slope 	1 1.00
562F2: Storden	  - 100 		1 1.00	•	1.00	  Very limited   Slope 	1 1.00
621: Houghton	  - 100       	Depth to Saturated zone Subsidence		Depth to   saturated zone   Content of   organic matter   Ponding	1.00    1.00	  Very limited   Depth to   saturated zone   Content of   organic matter   Ponding	  1.00    1.00    1.00
640C2: Sunburg	   -  90 	    Somewhat limited   Frost action	      0.50	    Not limited 		    Not limited 	
640D2: Sunburg	  -  90   	  Somewhat limited   Slope   Frost action 	10.63	•	10.63	    Somewhat limited   Slope   	    0.63 

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and soil name			d	Shallow excavati   	ons	Lawns and landscaping	
				Rating class and   limiting features			
640E2: Sunburg		Slope		Slope		    Very limited   Slope 	1 1.00
640F2: Sunburg		Slope		Slope		  Very limited   Slope 	1.00
641B: Clarion		    Somewhat limited   Frost action			     	    Not limited 	     
Sunburg		  Somewhat limited   Frost action			   	  Not limited 	   
641C2: Clarion		    Somewhat limited   Frost action			 	    Not limited 	     
Sunburg		  Somewhat limited   Frost action			   	  Not limited 	   
641D2: Clarion	1	Slope		Slope			      0.63
Sunburg	İ	Slope		Slope			  0.63 
641E2: Clarion		Slope		Slope			11.00
Sunburg	   45 	Slope	  1.00  0.50	Slope	    1.00	  Very limited   Slope 	    1.00
642D2: Sunburg	     55   	    Somewhat limited   Slope   Frost action 	      0.63  0.50		      0.63   	    Somewhat limited   Slope   	    0.63 

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and soil name	Pct. of map unit	streets	d	Shallow excavati   	ons	   Lawns and landsca     	ping
				Rating class and limiting features			
Salida	40     			cutbanks cave	0.90  0.63	Droughty   Slope	  1.00  0.63  0.12
654: Corwith		Depth to	1.00 	  Very limited   Depth to   saturated zone 	1.00	  Very limited   Depth to   saturated zone 	11.00
655: Crippin	 	Depth to saturated zone Frost action	11.00	Depth to   saturated zone	11.00		11.00
658: Mayer		Depth to   saturated zone	1.00 	Depth to saturated zone	11.00	saturated zone	1 1.00
659: Mayer		Depth to saturated zone	11.00	Depth to saturated zone	11.00	saturated zone	    1.00   
787B: Vinje	İ	Low strength Shrink-swell	  1.00  0.50  0.50	İ	       	  Not limited     	
787C2: Vinje		Low strength Shrink-swell	  1.00  0.50  0.50	İ	         	  Not limited       	

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and soil name	  Pct.   of  map  unit	streets	d	   Shallow excavati     	ons	   Lawns and landsca <sub>!</sub>     	ping
	     	   Rating class and   limiting features 		Rating class and   limiting features 		   Rating class and   limiting features 	
811: Muskego	  100           	Depth to Saturated zone Subsidence Frost action		saturated zone   Ponding   Content of   organic matter		saturated zone Carbonate content	         1.00     1.00   1.00
823: Ridgeport	    100 	    Not limited   	       	    Very limited   cutbanks cave 	      0.90	    Somewhat limited   Droughty 	      0.38
823B: Ridgeport	1100	  Not limited 	     	  Very limited   cutbanks cave	    0.90	  Somewhat limited   Droughty	    0.38
836B: Kilkenny	  100     	Low strength   Shrink-swell	    1.00  0.50  0.50	  Not limited     	         	  Not limited     	         
836C2: Kilkenny	   95     	Low strength Shrink-swell	    1.00  0.50  0.50	i İ	         	  Not limited       	 
836E2: Kilkenny	   95         	Low strength Slope Shrink-swell	  1.00  0.96  0.50  0.50		    0.96     	  Very limited   Slope     	    0.96     
879: Fostoria	95         	Depth to   saturated zone   Frost action	  1.00    1.00  1.00	saturated zone	    1.00     	  Very limited   Depth to   saturated zone   	    1.00     

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956:   Harps	 55	=		Rating class and			
	55		i	limiting features		=	Value
Harps !	55		 	 		 	
		Depth to   saturated zone   Frost action   Low strength	11.00	 	1.00	Very limited   Depth to   saturated zone   	11.00
Okoboji	35		11.00	  Very limited   Depth to	1.00	  Very limited   Depth to	1 1.00
		saturated zone Frost action Shrink-swell	11.00	 	  1.00     	•	  1.00     
1032:		 		 		 	
Spicer  9	95	·		Very limited   Depth to   saturated zone	11.00	Very limited   Depth to   saturated zone	  1.00 
		saturated zone Frost action Shrink-swell	1.00    1.00  0.50		 	 	 
1052B:			i				
Bode  (	60	Low strength   Shrink-swell   Frost action	  1.00  0.50  0.50	İ		Not limited      -	
Kamrar	35	  Very limited   Low strength   Shrink-swell	1	İ	  0.03   	Not limited 	       
1135:   Coland	95	<del>-</del>		  Very limited   Depth to   saturated zone	11.00	  Very limited   Flooding 	11.00
i !			1.00    1.00	Flooding   	0.80   	Depth to saturated zone	11.00

| | Shrink-swell |0.50 |

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	Pct.   of  map  unit	streets	nd	   Shallow excavati   	ons	   Lawns and landsca     	aping
		   Rating class and	Value	   Rating class and	Value	   Rating class and	Value
		limiting features	 	limiting features	 	limiting features	
1221: Palms	      100	      Very limited		      Very limited		      Very limited	   
	 	Depth to   saturated zone	İ	Depth to   saturated zone	i	Depth to   saturated zone	1.00
		Subsidence     Frost action	İ	Content of   organic matter   Ponding	i	Content of   organic matter   Ponding	1.00    1.00
	   	Ponding	11.00			Ionaing   	1
1259: Biscay	   95	  Very limited	i I	  Very limited	i I	  Very limited	i I
	I	Ponding	1.00	Ponding	1.00	Ponding	1.00
	 	Depth to   saturated zone   Frost action   Low strength   Shrink-swell	•	saturated zone cutbanks cave	1.00    0.90 	saturated zone	1.00       
1339:	 	 	1	 	 	 	1
Truman	100     	   Frost action   Low strength   Shrink-swell			0.90	Not limited       	
1339B: Truman	1100	 		    Very limited		    Not limited	
Truman		Frost action   Low strength   Shrink-swell		cutbanks cave 	0.90		
1506: Wacousta	1100	' <del>-</del>		  Very limited		  Very limited	
		Low strength	1	Depth to   saturated zone	İ	Depth to   saturated zone	1.00
	     	Depth to   saturated zone   Frost action   Shrink-swell	1.00    1.00  1.00	 	1.00   	Ponding     	1.00   
	 	Ponding	11.00	•	 	  -	i

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Map symbol and soil name	Pct.   of  map  unit	streets		Shallow excavations     		Lawns and landscaping    - 	
	   			Rating class and   limiting features 			
1507:					1		1
Brownton		Low strength  Depth to saturated zone Frost action	1.00    1.00	Depth to saturated zone Too clayey	11.00		11.00
1595:				 		 	
Harpster	-  95       	Depth to   saturated zone   Frost action	1.00	saturated zone	11.00	Very limited   Depth to   saturated zone   	  1.00   
1733:		 		 		 	
Calco	-  95   	Very limited   Low strength 		<del>-</del>	11.00	Very limited   Flooding 	  1.00 
		saturated zone   Frost action   Flooding	İ	 	0.80       	Depth to   saturated zone     	1.00         
2222: Adrian	 - 100	  Very limited		  Very limited		  Very limited	
			1.00 		11.00	Depth to   saturated zone   Content of	11.00
		   Frost action			11.00	organic matter   Ponding	11.00
		   Ponding			  0.90	 	
4000:		 	 	 		 	l I
Urban Land	- 100     	Not rated     		Not rated     	     	Not rated     	
	1	 		 		 	1

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	Pct.   of  map  unit	streets		Shallow excavations     		Lawns and landscaping   	
	   			Rating class and   limiting features			
5010: Pits	    - 100   	    Not rated     	         	    Not rated     	         	    Not rated     	           
5040: Orthents	         90	        Not rated   		        Not rated   		        Not rated   	
AW: Animal Waste	    - 100   	      Not rated   		      Not rated   		      Not rated   	
INT: Intermittent Water	      - 100   	  -  -  Not rated  -  -		        Not rated     		        Not rated     	
SL: Sewage Lagoon	      - 100   	      Not rated   		  -  -  Not rated  -  -		  -  -  Not rated  -  -	
W: Water		        Not rated 		          Not rated 		        Not rated 	